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January 28, 1998

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Magalie Roman Salas, Secretary Federal Communications Commission 1919 M Street, NW Room 200 Washington, DC 20554 JAN 2 8 1998

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

RE: EX PARTE PRESENTATION PR DOCKET NO. 92-235

Dear Ms. Salas:

On January 27, 1998, Steven Fulford, David George, Ralph Haller and the undersigned, representing ComSpace Corporation ("ComSpace"), met with D'Wana Terry, Herb Zeiler, Ira Keltz and David Wye to discuss ComSpace's development of DC/MA Technology. As part of that discussion, ComSpace recommended that the FCC adopt rules in the above-referenced rule making proceeding to provide for channel exclusivity, mandatory dates for migration, and economic incentives to implement more efficient technologies. A written presentation was distributed and reviewed during the meeting. A copy of that presentation in attached hereto.

In accordance with Section 1.1206(b) of the Commission's Rules, two copies of this letter are hereby filed with the Secretary's office and a copy of this filing is being sent today to the FCC personnel present during the meeting.

Kindly refer any questions or correspondence regarding this matter to the undersigned.

Respectfully submitted

eth R. Sachs

Enclosure

cc:

D'Wana Terry

Herb Zeiler Ira Keltz

David Wye

Attorney for ComSpace Corporation

No. of Copies rec'd O+Z-List ABCDE



DC/MATM TECHNOLOGY

(DYNAMIC CHANNEL MULTICARRIER ARCHITECTURE)

INCREASING SPECTRAL EFFICIENCY

January 26/27, 1998 Washington, D.C.

ComSpace



- ◆ Steven E. Fulford, President & CEO
- ♦ David L. George, Executive Vice President & CTO
- * Ralph A. Haller, Special Consultant

The Company was founded by Steven E. Fulford and David L. George in 1993 on their belief that the two-way radioundustry needed a new technology that could increase capacity economically for all operations regardless of frequency band.

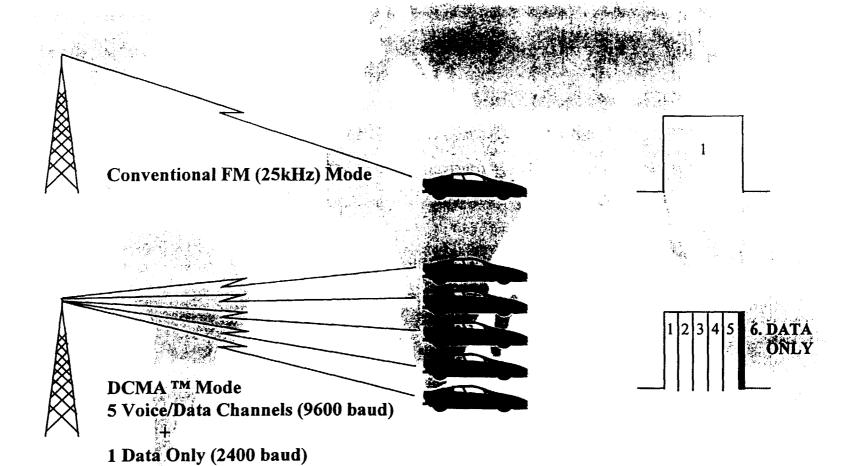


COMSPACETM PREMISE

TO DEVELOP TECHNOLOGY AND PRODUCTS THAT INCREASE THE CAPACITY OF AND ADD FEATURES TO WIRELESS COMMUNICATIONS SYSTEMS.



DCMATM TEGHNOLOGY



WHO NEEDS THIS TECHNOLOGY? (partial list)

CMRS Providers

Public Safety

Garbage Trucks

Medical Services Laboratories

Excavating Contractors

Electrical contractors

Heating & A/C Companies

Plumbers

Landscapers

Concrete - Ready-Mix

Concrete Finishers

Couriers

Short Haul Trucking

Aldani Companie

Security Services

Maintenance Départments

S**ecur**ity Departments

Food Deliveries

Remodeling

Röviers

School Buses

Wreckers

Road Construction

Hotel Shuttles

Taxi Service

Limo Sservice



HOW ECONOMIC IS BC/MATM?

BATTAS TEXAS EXAMPLE TO EXPAND A CONTROL STATE OF THE CHANNELS

The same of the sa

COST OF ACQUIRING 4 NEW CHANNELS
TOTAL

3.200,000³

PF SAVINGS: \$1,293,360 \$1,000 = \$1,193,360

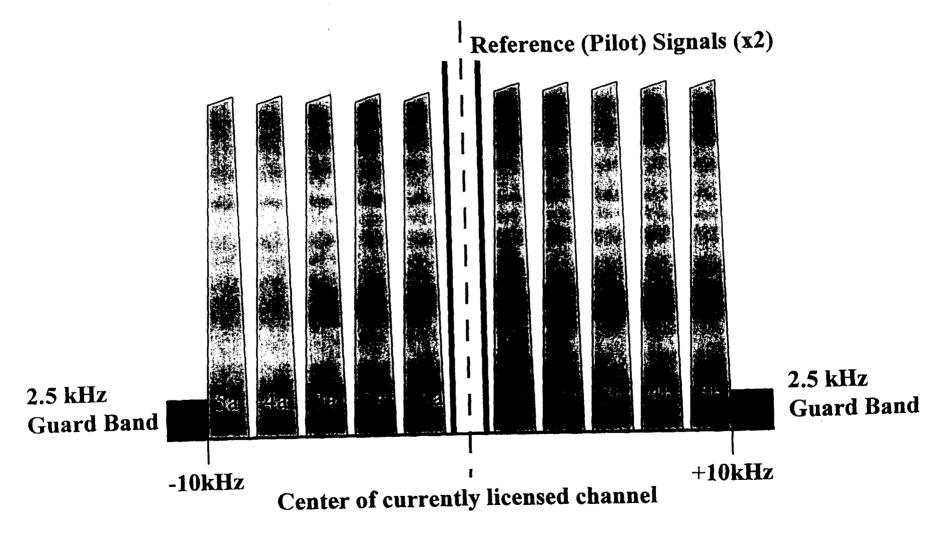
Uniden Quote 10



²Target Price

³Based on a five channel SMR system in Dallas, TX having an estimated market value of \$1,500,000

WHAT IS DC/MA?



ComSpace ...

FIVE DCMATM CHANNELS IN A SINGLE 25kHz CHANNEL!

WHY WILL LICENSES BUY DG/MAM?

- ◆ 5X CAPACITY IMPROVEMENT
- **◆ SIMPLE UPGRADE PATH EASY TO RETROFIT**
- ◆ USES SAME SITE AND ANTENNA SYSTEM
- **◆ LOW COST**
- NEW FEATURES



HOW DOES THE PUBLIC BENEFIT FROM DC/MATM?

- ◆ IMPLEMENTED ON EXISTING ALLOCATED CHANNELS DECREASES DEMAND FOR NEW SPECTRUM. 1 EXISTING CHANNEL = 5 NEW CHANNELS!
- **◆ INCREASED COMMUNICATION PROVIDER CHOICES**
- **◆ MORE CAPACITY -- MORE SERVICES**
- LOWER COST BASED ON COMPETITIVE "MARKET FORCES"



REGULATORY ENVIRONMENT



ALREADY THERE! NO CHANGES NEEDED!

- 1) COMMERCIAL DC/MA PRODUCT IS UNDER DEVELOPMENT!
- 2) MULTIPLE MANUFACTURERS
- 3) BOTH SUBSCRIBER AND BASE STATION PRODUCTS



470 MHz AND BELOW

ADOPTION OF 3 ADDITIONAL PROVISIONS
WOULD FURTIEUR OMOTE
IMPLEMENTATION OF DC/MATM

AND

OTHER SPECTRALLY EFFICIENT TECHNOLOGIES TO

"ALLOW MARKET FORCES TO DECIDE"



FIRST -- CHANNEL EXCLUSION OF THE CHANNEL EXCLUSION OF THE CONTROL OF THE CHANNEL EXCLUSION OF T

WEREROUSE YOU HAVE CHOSE TO THE THIS ISSUE

HAWIYED

IF ENACTED, WOULD EN COLUMN TEXT TEXT TEXT TO THE SUCH AS BOARD SUCH AS BOARD THERS.

OF THE TEGY, WHEN INTERD, CREATES

ON CHANNEL TRUNKING"



SECOND -MANDATORY DATES FOR MIGRATION

AGAIN, THIS ISSUE HAS BEEN DEFERRED

ENJOYS WIDE INDUSTRY SUPPORT

BUSINESS STRATEGIES REQUIRE TIME FRAMES.



THIRD -ECONOMIC INCENTIVES

- THERE MUST BE ASSURANCE THAT CLEARED CHANNELS ARE RETAINED BY INCUMBENTS IF THEY DEPLOY TECHNOLOGIES THAT MEET F.C.C. EFFICIENCY STANDARDS BY DATES CERTAIN.
- ♦ LICENSING FEES (IF AUTHORIZED BY CONGRESS) MAY ALSO BE STRUCTURED TO ENCOURAGE TRANSITION TO MORE EFFECTIVE FREQUENCY USA
- ♦ THOSE WHO DO NOT MIGRATE TO 2X OR 4X STANDARDS WITHIN SPECIFIED TIME FRAMES SHOULD BE SUBJECT TO SPECTRUM TAKE BACKS.



REFARMINGUHEWHE

F.C.C. DESERVES "HIGH MARKS" FOR

- ◆ AUTHORIZATION OF MULTI CHANNEL TRUNKED SYSTEMS AT 450-512 MHz WHICH HAVE BEEN SO SUCCESSFUL IN INCREASING TOTAL TRANSMISSION CAPACITY AT 806-894 MHz
- ◆ ESTABLISHMENT OF 1/1/2005 TYPE ACCEPTANCE DEADLINE FOR ALL NEW MODELS OF EQUIPMENT TO REQUIRE 4 TIMES CAPACITY WITHIN CURRENT 25 KHZ CHANNEL BANDWIDTH (6.25 -Vs- 25 TODAY)
- ◆ ADOPTION OF FREQUENCY ASSIGNMENT PLAN THAT UTILIZES CURRENT CENTER CHANNELS AND ALLOWS A SMOOTH TRANSITION TO MINIMIZE ADJACENT CHANNEL INTERFERENCE



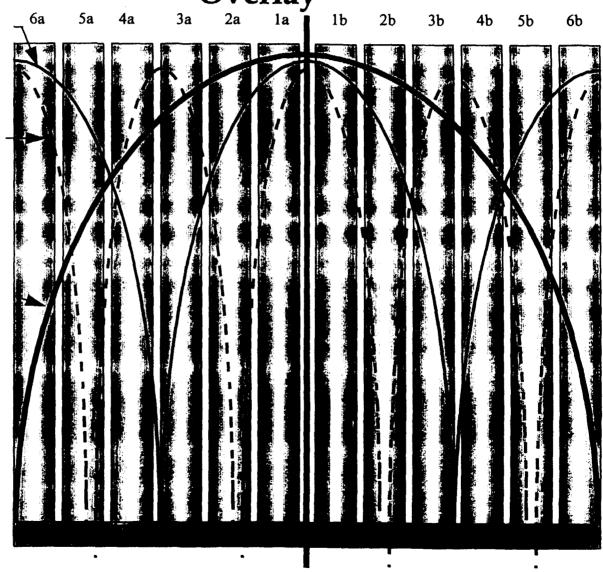
DCMA™ /Refarming Overlay

12.5/15.0 kHz

6.25/7.50 kHz

25.0/30.0 kHz

ComSpace



Center of currently licensed channel

SUMMARY

COMSPACETM DC/MATM TECHNOLOGY ADEQUAS A SX INCREASE DER CHANNEL

- -- PERMITS "ON CHANNEL TRUNKING" ONE 25 11 12 CHANNEL EQUALS FIVE PLUS"
- -- TRANSITIONS PRESENT CHANNEL PLAN AND MAXIMIZES EFFICIENT SPECTRUM USE. IN PARTICULAR REFARMING INITIATIVES

MARKET FORCES WILL WORK BEST IF REFARMING INCLUDES PROVISIONS FOR:

- 1) CHANNEL EXCLUSIVITY
- 2) MANDATORY DATES FOR MIGRATION
- 3) USE OF ECONOMIC INCENTIVES

RESULT -- MAXIMUM UTILIZATION OF SCARCE SPECTRUM



ADDENDUM

COMPANY HIGHLIGHTS

- UTI FORMED IN 1993 BY STEVE FULFORD AND DAVID GEORGE, BOTH FORMER EXECUTIVES OF UNIDENT FUND BY LENBROOK INDUSTRIES, CANADA.
- UWD FORMED IN 1993; SUBSIDIARY BETWEEN UTI AND WSIL (WIRELESS SYSTEMS INTERNATIONAL A SPINOUT FROM THE UNIVERSITY OF BRISTOL, BRISTOL ENGLAND)
- ◆ PATENTS FILED ON DYNAMIC CHANNEL MULTICARRIER ARCHITECTURE "DC/MA" TECHNOLOGY IN APRIL, 1995.
- ◆ FULLY FUNCTIONAL DEMONSTRATION COMPLETED IN AUGUST, 1996.
- ◆ RECEIVED \$8.5 MILLION IN 2ND ROUND FUNDING BY SEVIN ROSEN IN OCTOBER, 1997.
- ◆ BOUGHT 100% OWNERSHIP IN DC/MA TECHNOLOGY FROM WSIL AND UWD IN OCTOBER, 1997.
- ◆ CHANGED NAME TO COMSPACE™ CORP.

